

UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Johann Magg et al  
Application Number: Unassigned  
Filing Date: Concurrently Herewith  
Group Art Unit:  
Examiner:  
Title: COFFEE MACHINE COMPRISING A CONTINUOUS  
HEATER

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. 1.98, I am submitting a completed "INFORMATION DISCLOSURE STATEMENT BY APPLICANTS" (*Form PTO/SB/08A*) with patents and/or publications as delineated therein attached.

DE 25 51 779 discloses an electric flow heater for coffee machines, in which a tubular heating element and a water pipe fitted to a supporting shell of sheet metal construction are in thermally conductive contact and are secured together by the shaping of the supporting shell, characterized in that the supporting shell (1, 2) is moulded into a channel (5, 6), between the walls of which (7; 8; 9; 10) the tubular heating element (3) and the water pipe (4) are secured together by compression.

DE 39 03 649 discloses electric flow heaters, in which a helical, metal-cased tubular heater is embedded in a plastic jacket which forms the flow tube, show a relatively high susceptibility for overheating, caused by calcification. The overheating can in this case go so far that it results in charring of the plastic. It is therefore the object of the present invention to create a flow heater which on the one hand has the advantages of the known plastic design, in which, however, on the other hand the plastic parts of the heater are prevented from being damaged, or even destroyed, by overheating. This object is achieved according to the invention in that the helical tubular heater (1) is surrounded by a metal envelope (2) and is embedded, together with said envelope, in the plastic casing (4).

EP 0 393 385 discloses that the invention relates to a coffee machine, in which the generation of hot water is effected by a tubular instant heater which is known per se. The essential factor in this case is that the volume of this instant heater is only about 0.1 litre to 0.5 litre.

DE 298 09 279 U 1 discloses a heating device for use in household appliances for the preparation of hot drinks incorporating an enclosed heating water chamber (20), into which a cold water inlet (22) discharges and from which a heating water feed line (28) projects, and a heater, characterized in that the heater is constructed in the form of a flow heater.

DE 83 35 620 U1 discloses a hose for the conveyance of fluids, including e.g. drinking water or beverages, incorporating a bendable longitudinal section of elastic material construction, characterized in that the wall of the hose (cold water line 22, hot water line 72), in its bendable longitudinal section (corrugated pipe sections 46, 74, 110) and for the enhancement of its bending properties, incorporates corrugations (protuberances 100) which run transversely to the longitudinal axis of the hose and which extend over part of the hose circumference only.

EP 1 321 708 discloses that the heating system comprises a heating device which has at least two heaters (2). The heaters are in good heat-conducting connection with the steam pipe (1). The contact surfaces (3) of the heaters and the steam pipe are formed flat. The heaters may be formed as tubular heaters. The steam pipe and/or the heater walls consist of aluminum or an aluminum alloy. <??>The heating system further comprises a mounting link (4) which is made of a good heat-conducting material, preferably aluminum or aluminum alloy. The mounting link may be soldered or welded to the heater in the area of contact surfaces (3). A thermostat (5) is fixed to the mounting link.

DE 198 52 883 discloses that the heater (19) has a water pipe (10) with inlet and outlet at both ends, an electrical heating element (11) arranged along and in thermal contact with the water pipe and a temperature regulator (15) in thermal contact with the water pipe. The temperature regulator is attached directly to the water pipe and is in direct thermal contact with it.

10/587224  
IAP11 Rec'd PCT/PTO 24 JUL 2006  
Attorney Docket No. 2004P00160WOUS

If no translation of pertinent portions of any foreign language patents or publications mentioned within the "INFORMATION DISCLOSURE STATEMENT BY APPLICANTS" is included with the aforementioned copies of those applications, patents and/or publications, it is because no existing translation is readily available to the Applicants. As per the Notice in 1273 OG 55 (August 5, 2003) no copies of any above-mentioned US patents and US patent application publications are submitted for this application which was filed after June 30, 2003.

Respectfully submitted



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July 24, 2006

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Approved for use through 07/31/2006. OMB 0651-0031

Approved for use through 07/31/2006. GMB 0051-0051  
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**Substitute for form 1449/PTO**

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

Sheet 1 of 2

**Complete if Known**

Application Number	Unassigned
Filing Date	Concurrently Herewith
First Named Inventor	Johann Magg et al
Art Unit	
Examiner Name	
Attorney Docket Number	2004P00160WOUS

Sheet 1 of 2

Attorney Docket Number 2004P00160WOUS

## U. S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		WO 03/030696	04/17/2003	Robert F. Fanzutti et al		<input checked="" type="checkbox"/>
		GB 2 318 173	04/15/1998	John Cotton		<input checked="" type="checkbox"/>
		DE 25 51 779	05/26/1977	Nikolaus Neimanns		
		DE 39 03 649	04/12/1990	Erich Hillinger		
		EP 0 393 385	10/24/1990	Niro-Plan AG		
		DE 298 09 279 U 1	10/8/1998	W. Hermann		

Examiner Signature	Date Considered
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Translation is attached.  
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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8 PCT PTO 24 JUL 2006

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Sheet 2

of 2

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		DE 83 35 620 U1	03/07/1985	Bosch-Siemens Hausgeraete		
		EP 1 321 708	06/25/2003	Rudi Kitt et al		
		DE 198 52 883	01/27/2000	Hans-Herbert Fuchs et al		
		International Search Report PCT/EP2005/050220				✓

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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